

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"532196".ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:27
L2	0	514/283.ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L3	742	514/283.ccls.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L4	12	I3 and berberine	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
S1	14	berberin composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30
S2	22	berberin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/07 09:26
S3	2688247	composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30

10/532,196A Yong Chu 9-7-2006

\$%^STN;HighlightOn=;HighlightOff=;

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssptaylc1626

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 07:14:34 ON 07 SEP 2006

=> file reg  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:14:52 ON 07 SEP 2006  
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STRUCTURE FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9  
DICTIONARY FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

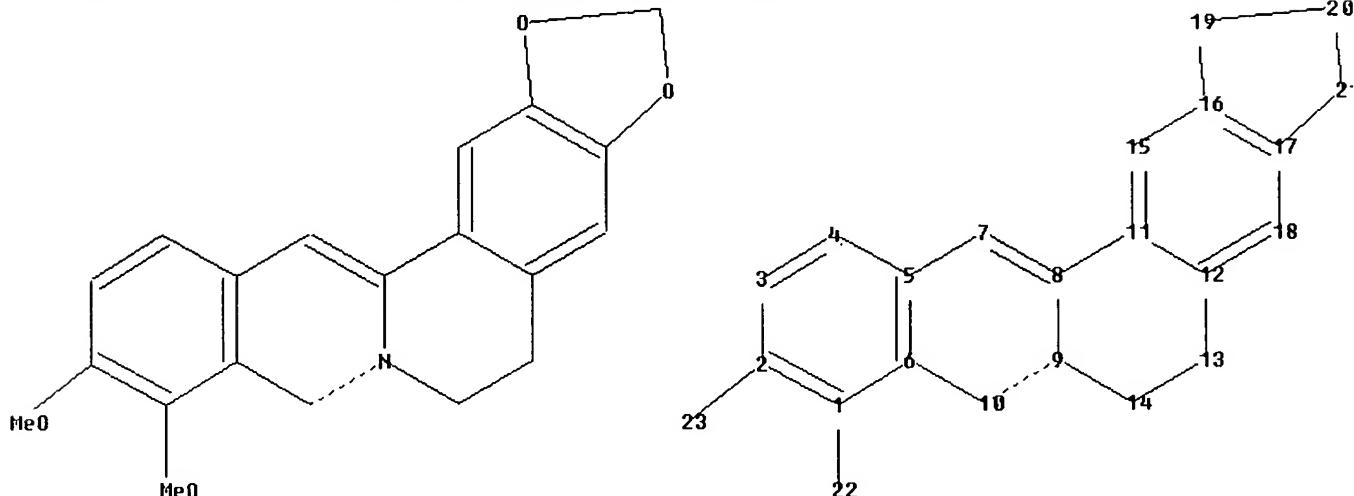
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196.str



chain nodes :

22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

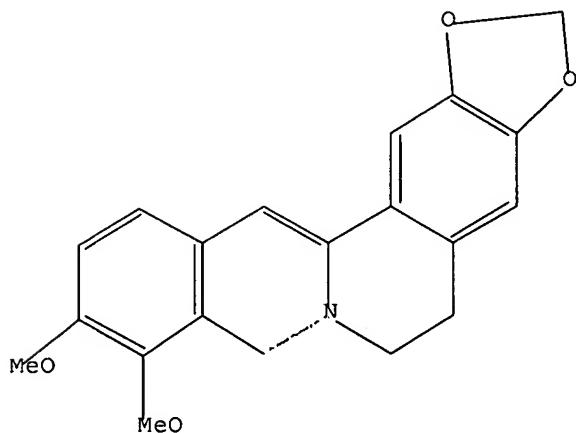
1-22 2-23  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 11-15  
12-13 12-18 13-14 15-16 16-17 16-19 17-18 17-21 19-20 20-21  
exact/norm bonds :  
5-7 6-10 7-8 8-9 8-11 9-10 9-14 12-13 13-14 16-19 17-21 19-20 20-21

exact bonds :  
1-22 2-23  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-15 12-18 15-16 16-17 17-18

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom  
22:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11  
SAMPLE SEARCH INITIATED 07:15:15 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 90 TO ITERATE

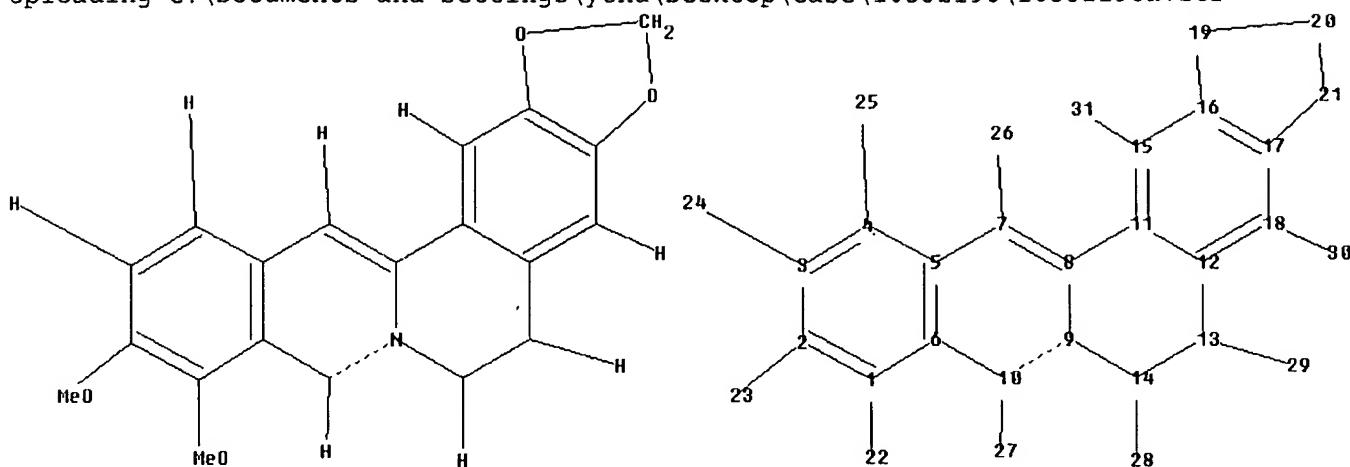
100.0% PROCESSED 90 ITERATIONS 33 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1231 TO 2369

L2 33 SEA SSS SAM L1

=&gt;

Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196a.str



chain nodes :

22 23 24 25 26 27 28 29 30 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 11-15

12-13 12-18 13-14 15-16 16-17 16-19 17-18 17-21 19-20 20-21

exact/norm bonds :

5-7 6-10 7-8 8-9 8-11 9-10 9-14 12-13 13-14 16-19 17-21 19-20 20-21

exact bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-15 12-18 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom

22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS

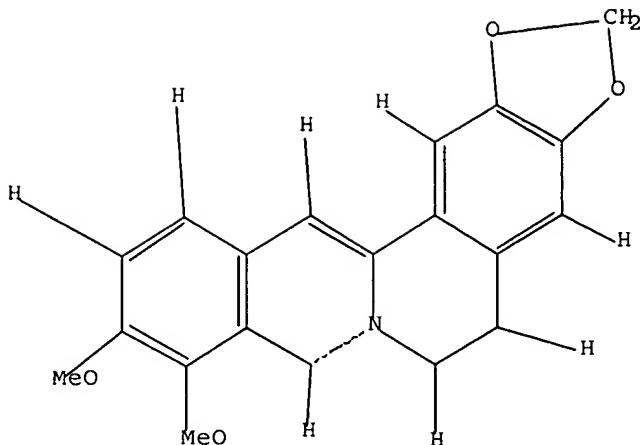
30:CLASS 31:CLASS

L3 STRUCTURE UPLOADED

=&gt; d

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s 13
SAMPLE SEARCH INITIATED 07:16:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1231 TO 2369
PROJECTED ANSWERS: 68 TO 532

L4 15 SEA SSS SAM L3

=> s 13 full
FULL SEARCH INITIATED 07:17:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2125 TO ITERATE

100.0% PROCESSED 2125 ITERATIONS 306 ANSWERS
SEARCH TIME: 00.00.01

L5 306 SEA SSS FUL L3

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
                           ENTRY SESSION
FULL ESTIMATED COST 168.26 168.47

FILE 'CPLUS' ENTERED AT 07:17:20 ON 07 SEP 2006
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FILE COVERS 1907 - 7 Sep 2006 VOL 145 ISS 11  
FILE LAST UPDATED: 6 Sep 2006 (20060906/ED)

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=> s 15  
L6 3273 L5

=> s 16 and morphine  
40774 MORPHINE  
170 MORPHINES  
40822 MORPHINE  
(MORPHINE OR MORPHINES)  
L7 104 L6 AND MORPHINE

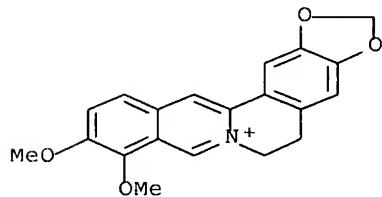
=> s 17 and tolerance  
108230 TOLERANCE  
8709 TOLERANCES  
113678 TOLERANCE  
(TOLERANCE OR TOLERANCES)  
L8 2 L7 AND TOLERANCE

=> d ibib abs hitstr tot

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:387262 CAPLUS Full-text  
DOCUMENT NUMBER: 140:368726  
TITLE: Medicament component of berberine for the use of prevention and treatment of psychological dependence on and analgesic tolerance to morphine  
INVENTOR(S): Jang, Choon-Gon; Lee, Seok-Yong  
PATENT ASSIGNEE(S): Sungkyunkwan University, S. Korea  
SOURCE: PCT Int. Appl., 19 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039372	A1	20040513	WO 2003-KR2280	20031027
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 KR 2004037511 A 20040507 KR 2002-66029 20021029  
 AU 2003273114 A1 20040525 AU 2003-273114 20031027  
 CN 1713911 A 20051228 CN 2003-80102287 20031027  
 JP 2006506460 T2 20060223 JP 2005-501862 20031027  
 US 2006035917 A1 20060216 US 2005-532196 20050421  
 PRIORITY APPLN. INFO.: KR 2002-66029 A 20021029  
 KR 2003-60353 A 20030829  
 WO 2003-KR2280 W 20031027  
 AB Disclosed is a pharmaceutical compn. for preventing and treating addiction to morphine or preventing and inhibiting the development of tolerance to the analgesic effects of morphine, contg. berberine as an effective ingredient, wherein the berberine has an inhibitory effect vs. psychol. dependence on abused drugs such as morphine and the increase of spontaneous locomotor activity upon administration of the drugs. The pharmaceutical compn. and a Coptis japonica plant ext. of the invention, which contain berberine, are highly effective in inhibiting the aforementioned symptoms of morphine addiction, and are thus useful for prevention and treatment of addiction to abused drugs such as morphine. In addn., the pharmaceutical compn. addnl. contg. a pharmaceutically acceptable carrier can be applied to prevent and inhibit morphine tolerance caused by repeated administration of morphine, while not affecting the analgesic effects of morphine upon a single administration.  
 IT 2086-83-1, Berberine  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (berberine for prevention and treatment of psychol. dependence on, and analgesic tolerance to, morphine)  
 RN 2086-83-1 CAPLUS  
 CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1966:493543 CAPLUS Full-text  
 DOCUMENT NUMBER: 65:93543  
 ORIGINAL REFERENCE NO.: 65:17532h,17533a-b  
 TITLE: Comparative study on the ACTH-releasing activities of berberine, palmatine, and tetrahydropalmatine (corydalis B) in the rat  
 AUTHOR(S): Liu, Keng-T'ao; Chu, Ya-Chun; Lui, Hai-P'eng  
 CORPORATE SOURCE: Dept. Pharmacol., Chinese Acad. Med. Sci., Peking  
 SOURCE: Yaoxue Xuebao (1966), 13(5), 356-62  
 CODEN: YHHPAL; ISSN: 0513-4870

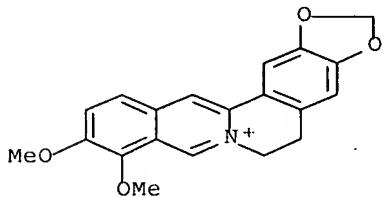
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese

AB In rats, the depletion of adrenal ascorbic acid (I) was used as the criterion for ACTH secretion. Subcutaneous injection of tetrahydropalmatine (II), palmatine (III) at 25 or 50 mg./kg., or berberine (IV) (5 or 10 mg./kg.) significantly depleted the adrenal I content, and the effect of these compds. was abolished by hypophysectomy. Pretreatment with Na pentobarbital (40 mg./kg., given intraperitoneally) completely inhibited the adrenal I-depleting action of II and of IV but not that of III. However, the depletion of adrenal I by II was inhibited completely by a prior injection of morphine (20 mg./kg., given intraperitoneally) into rats under Na pentobarbital anesthesia. The rats developed tolerance to the stimulatory action of II (70 mg./kg./day for 6 days) on the pituitary gland, while IV and III lacked this property. Repeated injections of II (70 mg./kg./day for 6 days) inhibited the release of ACTH activated by cold stress (8 or 4.degree. for 1 hr.) in rats. Although the effects of II, III, and IV on the pituitary adrenal system were similar in some respects there were also differences of the effects of these 3 compds.; this may be due to the differences in the mol. structure, esp. in the 3rd ring of these compds.

IT 2086-83-1, Berberine  
(ascorbic acid from adrenals in corticotropin secretion in relation to)

RN 2086-83-1 CAPLUS

CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy-  
(9CI) (CA INDEX NAME)



=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.88	185.35
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

STN INTERNATIONAL LOGOFF AT 07:20:42 ON 07 SEP 2006